

METHOD OF FABRICATING HONEYCOMB BODY AND DRYING SYSTEM

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ABSTRACT OF THE DISCLOSURE

10 A method of fabricating at least a honeycomb body  
and a drying system are disclosed, in which a plurality  
of honeycomb bodies each having a multiplicity of cells  
arranged in the shape of a honeycomb and having a wall  
thickness of 0.125 mm or less can be dried without  
developing any cracking, wrinkling, etc. in the outer  
peripheral skin portion of the mold. A plurality of  
15 extrusion-molded argillaceous honeycomb bodies are dried  
in such a manner that each honeycomb body is placed on a  
corresponding conveyance tray of porous ceramics having a  
dielectric loss of 0.1 or less, a porosity of 10 % or  
more and a sectional open area ratio of 50 % or more is  
20 exposed to a high-humidity ambience of 70 % or higher in  
humidity while at the same time being irradiated with  
microwaves of 1,000 to 10,000 MHz. As an alternative, a  
plurality of extrusion-molded argillaceous honeycomb  
bodies are dried by being exposed to a high-humidity  
25 ambience of 70 % or more while at the same time being  
irradiated with microwaves of 1,000 to 10,000 MHz, after  
which hot air is applied to the honeycomb bodies in such  
a manner as to pass through the cells thereof.

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